

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Electromechanical Engineering Technician (Co-op / Non Co-op)

2013

EMN2 Curriculum Modification for 2014-15

Fanshawe College

Follow this and additional works at: https://first.fanshawec.ca/cae_appliedscienceandtech_electromechengtechnician_documentation

DEGREE AUDIT CHANGE FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

RECEIVED
DEC 03 2013

Program Requiring Changes

Office of the Registrar

Program Title: Electromechanical Engineering Technician		
Program Number: EMN2 <i>co-op.</i>	Date Submitted: 12/2/2013	
Dean responsible for program: V. Coligan	Chair: F. Varkaris	
Credential Provided: <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ont. College Certificate <input checked="" type="checkbox"/> Diploma <input type="checkbox"/> Adv. Diploma <input type="checkbox"/> Degree		
Program Intakes: <input checked="" type="checkbox"/> F <input type="checkbox"/> W <input type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 14/15	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: 2/1/2010	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (responsible for program): <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	<i>V. Coligan</i> <i>Dec 2/13</i>	
Dean of Faculty (impacted by change): <input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve		
Dean of Faculty (impacted by change): <input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve		
Associate Vice President Academic (required for major changes and late DAs): <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	<i>[Signature]</i> <i>01/06/14</i>	
Director, Centre for Academic Excellence: <input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	<i>Jacy Gedis</i> <i>Jan 3/14</i>	
Office of the Registrar: <input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	<i>[Signature]</i>	

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).

Semester offering of two courses to be switched, MACH-1154 Machining I moved from level 1 to level 2, LAWS-1038 Law, Ethics & Occupational H&S moved from Level 2 to Level 1.

2.0 Reason/Rationale for Changes

2.1 The reason for the change is based on:

- ☐ A recent program review
- ☐ College Advisory Committee feedback
- ☐ Program Advisory Committee feedback
- ☐ Student feedback
- ☐ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☐ Trends in the field/industry
- ☒ Other (please describe): specialized lab space use

2.2 Does the change support the College's Strategic Framework (mission, vision, values)?

- ☒ Yes
- ☐ No (If no, please explain)

2.3 What strategic goal(s) does the proposed change support?

- ☐ Goal 1 - Enrolment growth
- ☐ Goal 2 - Flexible delivery options
- ☒ Goal 3 - Premier student experience
- ☐ Goal 4 - Sustainable College life

3.0 Students

3.1 Will the change affect the cost of the program for students?

- ☐ Yes
- ☒ No

3.2 If yes, there will be an additional cost for:

- ☐ Materials (Include details):
- ☐ Equipment (Include details):

☐ Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B)

☒ Yes

☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

☒ No

☐ Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Is this course part of any other Fanshawe College program(s)?

☐ No

☒ Yes (If yes, please identify the other program(s))

EMN3 - Electromechanical Technician non-coop

5.2 What Schools/Campuses will be impacted by the proposed change?

☐ Tourism and Hospitality

☐ Information Technology

☐ Lawrence Kinlin School of Business

☐ Health Sciences

☐ Human Services

☐ Nursing

☐ Design

☐ Language and Liberal Studies

☐ Contemporary Media

☐ Building Technology

☒ Applied Sciences and Technology

☐ Transportation Technology

☐ Continuing Education

☐ Oxford County Campus

☐ James N. Allan Campus

☐ St. Thomas Campus

5.3 Will the change affect pathway agreements (e.g., bridging, internal articulations, laddering, advance standing) with other Fanshawe programs and/or other institutions?

☒ No

☐ Yes (If yes, please explain)

5.4 What discussions have been initiated with these institutions regarding the changes?

6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

- ☒ No
☐ Yes (If yes, please explain)

6.2 Will the proposed change impact any of the Enabling areas?

- ☒ No
☐ Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

- ☒ No
☐ Yes (If yes, please explain)

7.0 General College Requirements

7.1 Are changes consistent with Colleges policies/practices?

- ☒ Yes
☐ No (If no, please explain)

7.2 Total Program Hours after degree audit change: 1281

7.2.1 Are these hours consistent with the requirements as listed below?

- ☒ Yes
☐ No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2000 hours
Graduate Certificate - 600 hours	

7.3 Will the program meet the General Education requirements (Policy 2-B-02) as listed below?

- ☐ No
☒ Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
---	--	---

7.4 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advance standing) with other Fanshawe programs and/or other institutions.

☐ No

☒ Yes

Note: In accordance with POLICY NUMBER: 2-B-17 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

APPENDIX A: PROPOSED DEGREE AUDIT CHANGES (for CAE)

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
MATH 1187	Math 1	45	3		MATH 1187	Math 1	45	3
ENGR 1024	Engineering Graphics	75	3.5		ENGR 1024	Engineering Graphics	75	3.5
MACH 1154	Machining 1	45	2		LAWS 1038	Law, Ethics & Occupational H&S	45	3
ELNC 1105	Practical Electronics	45	2		ELNC 1105	Practical Electronics	45	2
WRIT 1039	Reason & Writing 1 -Technology	45	3		WRIT 1039	Reason & Writing 1 -Technology	45	3
ELEC 1129	Electrical 1	75	4		ELEC 1129	Electrical 1	75	4
TOTAL		330	17.5	TOTAL			330	18.5
Level 2								
MATH 3037	Math 2	45	3		MATH 3037	Math 2	45	3
LAWS 1038	Law, Ethics & Occupational H&S	45	3		MACH 1154	Machining 1	45	2
CNTL 1014	PLC & Automation	75	3.5		CNTL 1014	PLC & Automation	75	3.5
METH 1045	QA Fundamentals	45	3		METH 1045	QA Fundamentals	45	3
ELEC 3066	Electrical 2	75	4		ELEC 3066	Electrical 2	75	4
ENGR 1025	Engineering Design 1	45	2.5		ENGR 1025	Engineering Design 1	45	2.5
COOP 1020	Co-operative Education Employment Prep	6	1		COOP 1020	Co-operative Education Employment Prep	6	1
TOTAL		336	20	TOTAL			336	19.5
Level 3								
ELNC 1106	Electronics 2	75	4		ELNC 1106	Electronics 2	75	4
CNTL 3015	Robotics 1	45	2		CNTL 3015	Robotics 1	45	2
MACH 1155	CNC Processes & Applications-Intro	45	2		MACH 1155	CNC Processes & Applications-Intro	45	2
MATS 1026	Materials Engineering	45	2.5		MATS 1026	Materials Engineering	45	2.5
ENGR 3016	Engineering Design 2	45	2.5		ENGR 3016	Engineering Design 2	45	2.5
ELEC	Electrical	75	4		ELEC	Electrical Machines	75	4

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits	
3067	Machines				3067				
TOTAL		330	17	TOTAL				330	17
Level 4									
INST 3008	Instrumentation	60	3		INST 3008	Instrumentation	60	3	
CNTL 3016	Robotics 2	60	3		CNTL 3016	Robotics 2	60	3	
MGMT 3074	Capstone Project Technician	30	2		MGMT 3074	Capstone Project Technician	30	2	
COMM 3069	Technical Communications for Technicians	45	2		COMM 3069	Technical Communications for Technicians	45	2	
CADD 1071	CAD/CAM Applications-Intro	45	2		CADD 1071	CAD/CAM Applications-Intro	45	2	
WELD 1055	Welding	45	2		WELD 1055	Welding	45	2	
TOTAL		285	15	TOTAL				285	15
PROGRAM TOTAL		1281	70					1281	70
Level 5									
TOTAL				TOTAL					
Level 6									
TOTAL				TOTAL					

PROGRAM MAPPING: MEY1/4 Manufacturing Engineering Technology															
PROGRAM VOCATIONAL LEARNING OUTCOMES		LEVEL ONE						LEVEL TWO							# OF COURSES EVALUATING THE OUTCOME
1 - Introductory		WRIT-1039 Reason & Writing 1 - Technology	LAWS-1038 Law, Ethics & Occupational H&S	ENGR-1024 Engineering Graphics	MATH-1185 Math 1	MACH-1154 Machining 1	WELD-1054 Welding	PSYC-1027 Human Relations	MACH-3056 Machining 2 /Intro to CNC Processes	MATH-1186 Engineering Fundamentals	MATS-1026 Materials Engineering	ENGR-1025 Engineering Design 1	METH-1044 Quality Assurance 1	COOP-1020 Co-operative Education Employment Prep*	
2 - Intermediate															
3 - Advanced															
The graduate has reliably demonstrated the ability to: (Source: MTCU Code 67000)															
1. analyze and solve complex technical problems* related to manufacturing environments through the application of engineering principles.					1/1,2	1/1-5			1/1,2,5; 2/3,4		1/1-4	1/2	1/1-3		6
2. design and analyze components, processes and systems through the application of engineering principles and practices.						1/1-4	1/1-3,6		1/1,3,4 ;2/2		1/1-3	1/1,4,5	1/1,3		6
3. analyze and prepare graphics and other technical documents* to appropriate engineering standards.				1/2,3		1/1			1/1,4		1/1,2,4	1/5; 2/2,3,5	1/1		6
4. use computer hardware and software to support the engineering environment.				1/2-4	1/1,2				1/1-3			2/2-4			4
5. assist in the specification of manufacturing operations and processes.						1/1-4	1/1-3		1/1,2,5 ;2/3,4		1/1	1/1			5
6. apply knowledge of machinery, tools, and other equipment used in manufacturing and assembling components.					1/1	1/1,2,4	1/1,2,4		1/3;2/1,2	1/1	1/1,4				6
7. specify, coordinate, and conduct quality control and quality assurance procedures.						1/1,6	1/1,6		1/1;2,6				1/1-7		4
8. recognize the environmental, economic, legal, safety and ethical implications of manufacturing projects.						1/1-3	1/1-3	3/5	1/1-3						4
9. use and maintain documentation, inventory, and records systems.				1/1		1/1			1/1		1/1	2/1	1/1		6
10. participate in the management of a manufacturing project.															0
11. develop strategies and plans to improve job performance and work relationships.						1/3			1/3						2
TOTAL # OF OUTCOMES EVALUATED BY EACH COURSE		0	0	3	3	9	5	1	10	1	6	6	5	0	
V = Vocational Courses E = Essential Employability Skills Courses															
GM = General Education (mandatory) G = General Education (elective)			GM												

NB - Only indicate the outcomes that are Taught & Evaluated (TE or TRE) in a course

PROGRAM COORDINATOR: Ian Neves

ACADEMIC CHAIR: Fred Varkaris

Date Completed: Nov. 21, 2013 - FINAL

Analysis of Mapping Results:

For VLOs, program was mapped to Elements of Performance for most courses.

Gaps addressed by removal of two courses (ECON-5004 and ACCT-5004 in Level 6) and introduction of one new course into Level 6.

GM & GE - did not map to VLOs

* offered in MEY1 only

Degree Audit Report

Catalog: 2014/2015

Program: EMN2

Name: Electromechanical Engineering Technician (Coop)

Department: MAN - Applied Science and Technology

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Credential: Ontario College Diploma

Grade Scheme: LG2

Major: EMN2 - Electromechanical Eng Tech'n

Div: MAN - Manufacturing Sciences Division

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 75.50

Residency Reqmt: 19.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: EMN2.14 Electromechanical Engineering Technician (coop)

Major: EMN2

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
	Math 1	45.00	3.00	
	Engineering Graphics	75.00	3.50	
<i>LAWS 1038</i>	MACH-1154	45.00	2.00	
	Practical Electronics	45.00	2.00	
	Reason & Writing 1-Technology	45.00	3.00	
	Electrical 1	75.00	4.00	

LAWS, Ethics & Occupational H&S

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
	Math 2	45.00	3.00	
<i>MACH 1154</i>	LAWS-1038	45.00	3.00	**
	PLC & Automation	75.00	3.50	
	QA Fundamentals	45.00	3.00	
	Electrical 2	75.00	4.00	
	Engineering Design 1	45.00	2.50	
	Co-operative Education Employment Prep	6.00	1.00	

*Machining 2**Low, Ethics & Occupational H&S*

Subrequirement: Level 3

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
	Electronics 2	75.00	4.00	
	Robotics 1	45.00	2.00	
	CNC Processes & Applications-Intro	45.00	2.00	
	Materials Engineering	45.00	2.50	
	Engineering Design 2	45.00	2.50	
	Electrical Machines	75.00	4.00	

Degree Audit Report

MGMT-1007	Project Management	45.00	3.00	**
-----------	--------------------	-------	------	----

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INST-3008	Instrumentation	60.00	3.00	
CNTL-3016	Robotics 2	60.00	3.00	
MGMT-3074	Capstone Project Technician	30.00	2.00	
COMM-3069	Technical Communication for Technicians	45.00	3.00	
CADD-1071	CAD/CAM Applications-Intro	45.00	2.00	
WELD-1055	Welding	45.00	2.00	

Subrequirement: Gen Ed - Electives

Take 3 General Education Elective Credits -

Normally Taken in Level 4

Subrequirement: Program Residency

Students must complete a minimum of 19 credits in this program at Fanshawe College to meet the Residency Requirement and graduate from this program

Approved By Chair/Manager:

Approved by Dean:

Department and Date:

Date:

General Education Approved By(as appropriate):

Date:


 9/06/14

Proposed DA Changes – Diploma Assessment

Program Name: ElectroMechanical Engineering Technician Co-Op

Previous Program Code (if applicable): EMN1

New program Code: EMN2

Criteria	Requirement	Assessment	Requirement Met Yes / N
Total Program Hours	1200-1400	1365	yes
Number General Education Courses Required	3	3	yes
General Education Mandatory Courses (max)	2	2	yes
General Education Elective Courses (min)	1	1	yes
WRIT	WRIT 1	WRIT 1039	yes
Advanced COMM course	recommended	COMM 3069	yes

Date Completed: June 24/2013

Completed By: [Signature]

Request for Late Change to Degree Audit Form

FANSHAW
COLLEGE



Office of the Registrar
[Rm. #E1012]

To the Division --

1. A copy of the Degree Audit Report (SDAR) with changes marked must accompany this request.
2. Please keep Yellow Copy of the Form and photocopy of SDAR Report with marked changes for your records
3. Allow 5 business days after receipt in the Office of the Registrar for the completion of this request.

To be completed by Division (please print)

Program # EMN 2 Program Name Electromechanical Engineering Technician - Coop Date of Request (dd/mm/yyyy) June 12/13
 Division MAN Program Co-ordinator Fred Burt Catalogs (To be updated - attach all copies) 2014/15.000

Reason for late change:

In order to successfully transition this program to 15 week semesters we needed input from, and to consult with, several key partners including PCAT & AODA. As the PCAT wasn't formed until the fall of 2012, & they provided critical input, it was necessary to hold off these changes until now. The Alt. Semester Model SEM team was also consulted during this process. There was no feedback provided by this team so the EMN faculty team decided to go with the

If the change is a correction to the Degree Audit, identify the impact on current students (please review and submit student EVALS with submission to determine possible impact)

N/A

(attach sample EVALS)

Academic Manager Signature Jugless for Fred Verkaris Date (dd/mm/yyyy) June 19, 2013

I have read the reasons for the change and any possible impact. Permission is granted: ☒ Yes ☐ No

Vice-President Academic Signature [Signature] Date (dd/mm/yyyy) 06/01/14

Comments

Registrar Office Use Only

APRS Updated: ☐ Initials: _____

Catalog(s) Updated: _____

EVAL printed: ☐ Initials: _____

Division Notified: ☐ Date: _____

Signed Copy Returned: ☐ Date: _____

ELECTROMECHANICAL ENGINEERING TECHNICIAN (EMN2: COOP) as of 14F

PROGRAM LEVEL	COURSE NUMBER	COURSE TITLE	THEORY HOURS PER WEEK	LAB HOURS PER WEEK	PRE-REQUISITE COURSES	CREDIT VALUE
---------------	---------------	--------------	-----------------------	--------------------	-----------------------	--------------

EMN21 Fall	MATH-1187	Math 1	3	0		3.00
	ENGR-1024	Engineering Graphics	2	3	Common w/MEN11	3.50
	MACH-1154	Machining 1	1	2	Common w/MEN11	2.00
	ELNC-1105	Practical Electronics	1	2		2.00
	WRIT-1039	Reason & Writing 1 - Technology	3	0		3.00
	ELEC-1129	Electrical 1	3	2		3.00
			13	9		16.50

330

EMN22 Winter	MATH-3073	Math 2	3	0		3.00
	LAWS-1038	Law, Ethics & Occupational H&S	3	0		3.00
	CNTL-1014	PLC & Automation	2	3		3.50
	METH-1045	QA Fundamentals	3	0		3.00
	ELEC-3066	Electrical 2	3	2		4.00
	ENGR-1025	Engineering Design 1	2	1	Common w/MEN12	2.50
			16	6		19.00

6M

330

Summer	NO CLASSES					
Fall	Coop Work Term					
Winter	Coop Work Term					
Summer	NO CLASSES					

EMN23 Fall	ELNC-1106	Electronics 2	3	2		4.00
	CNTL-3015	Robotics 1	1	2		2.00
	MACH-1155	Intro to CNC Processes & Apps	1	2		2.00
	MATS-1026	Materials Engineering	2	1	Common w/MEN32	2.50
	ENGR-3016	Engineering Design 2	2	1		2.50
	ELEC-3067	Electrical Machines	3	2		4.00
	MGMT-1007	Project Management	3	0		3.00
			15	10		20.00

6M
375

EMN24 Winter	INST-3008	Instrumentation	2	2		3.00
	CNTL-3016	Robotics 2	2	2		3.00
	MGMT-3074	Applied Project	2	0		2.00
	COMM-3069	Comm Course	3	0		3.00
	CADD-1071	Intro to CAD/CAM Applications	1	2		2.00
	WELD-1055	Welding	1	2		2.00
		Gen Ed Elective	3	0		3.00
			14	8		18.00

6E
330

Signature for Fred Varkaris June 19, 2013

W. Coligan

TS
June 25/13 T361

EFFECTIVE SEPTEMBER 2014

PROGRAM/CURRICULUM "RATIONALE FOR CHANGES"

All requests for changes to programs of instruction must be submitted to the Registrar's Office by December 1st each year for changes to be implemented for the following September intake. All changes require the approval of the Dean and possibly the VPA's Office, if significant.

REMINDER: We need to ensure that changes are made properly and in a timely manner to: maximize student success; optimize employment preparation; meet all quality and integrity responsibilities to MTCU, PQAPA and our Board of Governors; and meet community expectations.

- ➔ The **Program/Curriculum "Rationale for Changes"** should be completed using this template and all areas must be completed. An electronic copy of this document should be submitted to the Registrar's Office.
- ➔ The Dean/Chair responsible for the program should consult with other affected schools and obtain the appropriate sign-offs on a paper copy of this document. Once all consultations and sign-offs have occurred, the paper copy should be submitted to the RO
- ➔ Course Request Forms must also be submitted electronically to Strategy and Planning for all new courses. These will be forwarded to Scheduling following approval of the changes by the Dean and possibly the VPA's Office.

1.0 Program Requiring Changes

Program Title:	ElectroMechanical Engineering Technician (coop)	
Program Alpha & Number:	EMN2	
Effective Catalog Year:	2013/14 2014/15. <i>TS</i>	

Please answer each of the questions below, if applicable. Missing or incomplete information may delay approval and/or implementation of the proposed changes.

2.0 Rationale for Changes

2.01 Provide a brief description of the reasons for the proposed changes.

The transition to a 15 week semester (from an 18 week semester) is being made to once again align our semester model with the college semester model. This will improve student retention by reducing weekly contact hours, and allowing more time for studying, projects, etc.

2.02 Students

- Are changes a response to student feedback? Or our Programs Data Report - Weak Factors? (summarize how changes address this issue)
These changes are in response to student feedback. Students have asked for less contact hours per week.
- How will changes affect student learning and success? (describe evidence to support this)
Less student contact hours per week will allow for more study time and more time to work on projects, assignments, etc. It will also allow for more job opportunities as the diploma will

now be accepted in the US for work permits, and will be more widely recognized by employers.

- How will changes affect cost of the program for students? (e.g., materials fees; equipment fees - laptop program; OSAP implications)
The total cost is the same, however the per-semester cost is lower.
- How will changes affect the flow of the program?
We are aligning the semesters to the college model, which means we will be in line with services offered in the college. In addition, the issue of the shortened Christmas break will be resolved. This will be especially important to international students who will now be able to travel of the Christmas holidays.

2.03 Relationship of Program to Industry

- How do changes reflect trends in the field or in industry? (Provide data regarding industry and/or professional trends.)
 1. Realignment of semesters allows the opportunity to address concerns raised during a recent program review
 2. PCAT has been consulted regarding these changes
 3. Ongoing changes can be made after subsequent PCAT reviews
 4. There will be official recognition of the credentials by certifying bodies and key employers
 5. Credentials will now be accepted by the US for work permit purposes
 6. The length of coop work terms will better align with industry needs

2.04 Program Learning Outcomes

- How do the changes align with Ministry outcomes? (Provide a copy of the completed program map indicating gaps/overlaps that are being corrected)
In Fall 2013, in consultation with the CAE, program mapping will be completed (vacation schedules are making it next to impossible to meet prior to then as we need everyone's input). We will ensure changes align with Ministry outcomes.

2.05 Relationships with Other Fanshawe College Programs

- Is this course in a ladder program or part of any other Fanshawe College program?
Laddering can occur from EMN to MEY

2.06 Relations with Other Post-Secondary Programs

- How will the changes affect transfer agreements with other post-secondary institutions?
Not applicable.
- What discussions have been initiated with these institutions regarding the changes?

2.07 Changes on Fit of Program with general College Requirements for Programs

- How do changes affect the fit of the program with the College's strategic plan, program mix, general education requirements, marketing?
It is a better fit as it aligns with the college's student centered approach.
- Are changes consistent with Colleges policies/practices? (Identify specific areas where policies/practices need to be altered if program changes approved.)
Yes, the changes are consistent with college policies and practices.

3.0 Consultation Regarding Proposed Changes

3.01 Consultation With Program Advisory Committee

- Indicate feedback from the program advisory committee regarding the changes.
The PAC recommended the following skills:
 - AutoCAD/3D knowledge
 - SolidWorks & circuit board design
 - High-level language programming and coding
 - Report writing skillsThe PAC concurred that the new program model for EMN is preferred over the current model.

3.02 Consultation With Other Programs/Schools/Services

- What programs/schools/services have been consulted?
SLLS, CAE, Coop and other programs within AST have been consulted.
- What feedback and suggestions have been offered through consultation?
All feedback and suggestions have been given due consideration.

4.0 Resource Implications of Proposed Changes

4.01 Staffing

- Outline all staffing consequences, both for the program and related areas.
There are no staffing consequences.

4.02 Services

- Outline all consequences on other areas.
There are no consequences for other areas.

4.03 Space or Technology Requirements

- Outline how changes affect space and/or technology requirements.
Space and/or technology requirements are not affected by the proposed changes.

4.04 Budgetary Implications

- Outline budgetary implications (include consequences on other schools such as increase/decrease in teaching hours required)
There are no budgetary implications.
- Outline changes to materials fees.
There are no changes to materials fees.

Approvals: Chair of School and Dean of Faculty; possibly VPA's Office, if significant

☒ Approved

☐ Not Approved / Requires Changes

Greg Hessie for Fred Verkanis
Chair of School/Campus (signature)

June 19, 2013
Date

W. H. Olegain
Dean of Faculty (signature)

June 19/13
Date

Chair of Servicing School, if required (signature)

Date

Vice-President, Academic, if required (signature)

Date